

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	177203	@pd> "20100413"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/07/29 17:43
L2	22	@ad< "20001226" and @pd> "20050929" and ((music audio sound) with (file record recording)) and ((frequency frequent often repeat\$2 recurr\$5) with (usage use playback open\$3 view\$3 us\$3)) and (server\$2 computer\$2 client\$2 host\$2 storage drive\$2) and (network\$3 remote) and (user with (preference favorite preferred frequented)) and (file with attributes)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/07/29 17:43
L3	1	1 and L2	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/07/29 17:43
S1	11230377	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/09/29 12:45
S2	546038	music audio sound	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:46
S3	1184188	file record recording	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:46
S4	82325	S2 with S3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:46
S5	2793801	frequency frequent often repeat\$2 recurr\$5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:48

S6	12164439	usage use playback open \$3 view\$3 us\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:48
S7	920478	S5 with S6	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:49
S8	3779322	server\$2 computer\$2 client \$2 host\$2 storage drive\$2	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:49
S9	1103116	network\$3 remote	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:49
S10	35987	user with (preference favorite preferred frequented)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:50
S11	27909	S4 and S7	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:50
S12	17803	S11 and S9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:50
S13	3718	S10 and S12	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:50
S14	1138	S1 and S13	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:51
S15	12865	file with attributes	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 12:51
S16	104	S14 and S15	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 13:01

S17	48	( "6222807" "6222807" "6583348" "6912514" "5636276" "6449226" "5841871" "5880974" "6477549" "6512915" "6782409" "6194647" "6226672" "6226672" "6476306" "6714920" "5890910" "5589947" "5691964" "6578047" "5517652" "5522041" "5671354" "5751959" "5950206" "5956038" "5991773" "5999968" "6085225" "6101488" "6115472" "6125428" "6192251" "6243662" "6308203" "6330453" "6411620" "6477383" "6487557" "6572025" "6580756" "6674439" "6810325" "6829619" "6859837" "6047376" "6598230" "5742893" "5311492" "5608759").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 13:01
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S19	99	S17 S18	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 13:01

S20	98	S19 not S16	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/29 13:01
S21	22	("5749081"   "5758257"   "5790426"   "5884282"   "5890152"   "5913204"   "5983200"   "6003020"   "6026387"   "6041311"   "6049777"   "6064980"   "6078740"   "6092049"   "6112186"   "6175831"   "6226672"   "6236978"   "6353813"   "6381651"   "6408288"   "6460036"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:03
S22	11132	hayashi.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:06
S23	0	"kazuhiro hayashi".in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:06
S24	67	"hayashi, kazuhiro".in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:10
S25	1	"6831798".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:22
S26	171	"takahashi, takeshi".in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:22
S27	7168	pioneer.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:22
S28	11	music and S26	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:23
S29	857	music and S27	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:42
S30	1	"20020099706"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 14:42
S31	2	"7072846".pn. "7130251". pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2009/10/13 12:53
S32	1991095	@pd> "20050929"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:41

S33	11282058	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2009/10/13 13:41
S34	857762	music audio sound	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:41
S35	1754142	file record recording	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:41
S36	147450	S34 with S35	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:41
S37	4022031	frequency frequent often repeat\$2 recurr\$5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:41
S38	11282058	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2009/10/13 13:42
S39	857762	music audio sound	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S40	1754142	file record recording	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S41	147450	S39 with S40	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S42	4022031	frequency frequent often repeat\$2 recurr\$5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S43	1768777	network\$3 remote	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S44	83442	user with (preference favorite preferred frequented)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S45	26203	file with attributes	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42

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S47	51	( "6835884" "6516323" "6700048" "5946464" "5953422" "6138149" "6205474" "5369705" "5546577" "5678012" "5680615" "5758074" "5761410" "5778377" "5793972" "5857203" "5913061" "5987233" "6023579" "6092091" "6094675" "6098069" "6111853" "6134596" "6192379" "6211782" "6211782" "6253193" "6360011" "6363422" "6363488" "6389402" "6401126" "6427140" "6434580" "6510992" "6522938" "6560339" "6763460" "6793136" "6839723" "6018726" "4488237" "4971567" "5446732" "4317207" "4418372" "4493978" "4500926" "4560267").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42
S48	99	S46 S47	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:42

S49	1991095	@pd> "20050929"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:42
S50	11282058	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2009/10/13 13:46
S51	857762	music audio sound	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:46
S52	1754142	file record recording	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:46
S53	147450	S51 with S52	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:46
S54	1683	@ad< "20001226" and @pd> "20050929" and ((music audio sound) with (file record recording))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:47
S55	4022031	frequency frequent often repeat\$2 recurr\$5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:48
S56	19	@ad< "20001226" and @pd> "20050929" and ((music audio sound) with (file record recording)) and ((frequency frequent often repeat\$2 recurr\$5) with (usage use playback open\$3 view\$3 us\$3)) and (server\$2 computer\$2 client\$2 host\$2 storage drive\$2) and (network\$3 remote) and (user with (preference favorite preferred frequented)) and (file with attributes)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 13:51
S57	1	"20080091456"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 15:22
S58	1	"4206564".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2009/10/13 15:51

S59	2	"7072846".pn. "7130251".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/03/28 21:53
S60	125	@ad<"20001226" and ((music audio sound) with (file record recording)) and ((frequency frequent often repeat\$2 recurr\$5) with (usage use playback open\$3 view\$3 us\$3)) and (server\$2 computer\$2 client\$2 host\$2 storage drive\$2) and (network\$3 remote) and (user with (preference favorite preferred frequented)) and (file with attributes)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/04/13 14:17
S61	1	"6560651".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/04/13 14:54
S62	164	("3763330"   "4159417"   "4266243"   "4393277"   "4455651"   "4473824"   "4490810"   "4499568"   "4545023"   "4575621"   "4591974"   "4601011"   "4682368"   "4698776"   "4725977"   "4772873"   "4779080"   "4788543"   "4788675"   "4851931"   "4855725"   "4891838"   "4899292"   "4916441"   "4941040"   "4949187"   "4989179"   "5042070"   "5055947"   "5065258"   "5065345"   "5091939"   "5099422"   "5115508"   "5121492"   "5132992"   "5133076"   "5159182"   "5172413"   "5181107"   "5191410"   "5191573"   "5203001"   "5208665"   "5210611"   "5221838"   "5226080"   "5247347"   "5251909"   "5253275"   "5311423"   "5319582"   "5333116"   "5359698"   "5371532"   "5383112"   "5388196"   "5406626"   "5420690"   "5440336"   "5442389"   "5442789"   "5491774"   "5491820"   "5493677"   "5504815"   "5506904"   "5511000"   "5524051"   "5539658"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 14:54



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S63	11282697	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2010/04/13 14:55
S64	135	S63 and S62	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 14:55
S65	4190956	frequency frequent often repeat\$2 recurr\$5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2010/04/13 14:55
S66	164	("3763330"   "4159417"   "4266243"   "4393277"   "4455651"   "4473824"   "4490810"   "4499568"   "4545023"   "4575621"   "4591974"   "4601011"   "4682368"   "4698776"   "4725977"   "4772873"   "4779080"   "4788543"   "4788675"   "4851931"   "4855725"   "4891838"   "4899292"   "4916441"   "4941040"   "4949187"   "4989179"   "5042070"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 14:56

		"5055947"   "5065258"   "5065345"   "5091939"   "5099422"   "5115508"   "5121492"   "5132992"   "5133076"   "5159182"   "5172413"   "5181107"   "5191410"   "5191573"   "5203001"   "5208665"   "5210611"   "5221838"   "5226080"   "5247347"   "5251909"   "5253275"   "5311423"   "5319582"   "5333116"   "5359698"   "5371532"   "5383112"   "5388196"   "5406626"   "5420690"   "5440336"   "5442389"   "5442789"   "5491774"   "5491820"   "5493677"   "5504815"   "5506904"   "5511000"   "5524051"   "5539658"   "5541638"   "5550863"   "5557541"   "5572442"   "5579471"   "5586186"   "5590195"   "5592511"   "5615061"   "5629980"   "5630121"   "5634012"   "5634080"   "5636276"   "5638443"   "5646992"   "5664228"   "5673316"   "5675734"   "5699526"   "5715403"   "5724582"   "5727156"   "5727159"   "5732219"   "5734719"   "5734823"   "5734891"   "5745568"   "5752244"   "5769269"   "5796824"   "5809144"   "5809246"   "5841979"   "5860068"   "5881225"   "5918213"   "5926624"   "5928330"   "5931901"   "5940504"   "5963916"   "5966440"   "5969283"   "6005938"   "6026368"   "6044471"   "6067562"   "6088450"   "6141693"   "6157929"   "6389541"   "D276626"   "D289777").PN. OR ("D330544"   "D339329"). PN. OR ("6560651"). URPN.				
S67	11282697	@ad< "20001226"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2010/04/13 14:56

S68	135	S67 and S66	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 14:56
S69	56	S68 and ((music audio sound) with (file recor recording))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 14:56
S70	427	hayashi-kazuhiro.in. takahashi-takeshi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:22
S71	65	(music audio sound) and S70	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:22
S72	4365	709/217-219.ccls. and S67	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:25
S73	2071	(music audio sound) and S72	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:25
S74	98	mp3 and S73	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:25
S75	419184	(portable mobile mp3 ipod zune) with (player device recorder)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:25
S76	55	S74 and S75	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/13 15:25

**EAST Search History (Interference)**

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**7/ 29/ 10 5:44:13 PM**
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